

## AUTHOR INDEX, VOLUME 5, 1987

- Adair, Eleanor R., 507  
 Agartz, Ingrid, 179  
 Ahmad, Masood, 293  
 Aisen, Alex M., 399  
 Albright, Michael J., 165  
 Allen, P.S., 137  
 Andelman, Samuel, 331  
 Andrews, J.L., 317  
 Asakura, T., 469  
 Auer, R., 499
- Baer, T., 1  
 Bakan, Douglas A., 221  
 Bakker, C.J.G., 381  
 Bárány, M., 393  
 Barnhart, James L., 221  
 Baum, S., 71  
 Bellon, Errol M., 175  
 Beltran, Javier, 431  
 Berendsen, H.J.C., 381  
 Berglund, Larry G., 507  
 Berk, Robert N., 221  
 Besson, J.A.O., 273  
 Blinder, Russell A., 475  
 Bone, I., 465  
 Boyce, S., 1  
 Brasch, R.C., 109  
 Braunschweiger, Paul G., 483  
 Breger, Robert K., 209  
 Bronskill, M.J., 149  
 Bronskill, Michael J., 93, 101  
 Brown, Mark A., 443  
 Bryant, Robert G., 233  
 Buckwalter, Kenneth A., 399  
 Buda, Andrew J., 399  
 Burk, Jane M., 431  
 Button, T.M., 149  
 Byck, Robert, 312
- Cameron, Ivan L., 353  
 Carden, Joseph A., 443  
 Chesick, J.P., 301  
 Chew, W.M., 51  
 Cho, Z.H., 239  
 Christoffersen, Per, 251  
 Clark, Robert, 493
- Clark, Robert N., 431  
 Cline, H.E., 345  
 Cochran, Courtney, 493  
 Coleman, Paul E., 175  
 Coleman, R. Edward, 443  
 Condon, B., 465  
 Cory, David A., 65  
 Courtieu, J., 339  
 Crues, John V., 505
- Davis, Peter L., 407  
 de Certaines, J., 267  
 Deimling, M., 325  
 Duffrin, H., 499  
 Dumoulin, C.L., 345
- Engelstad, B., 109  
 Evans, Avery J., 475
- Farnum, Gregory N., 407  
 Fawcett, H. Daniel, 293  
 Fiel, R.J., 149  
 Finnie, Mitchell F., 353  
 Fishman, Joel E., 279  
 Fishman-Javitt, Marcia C., 83, 371  
 Floyd, Thomas F., 279  
 Foreman, E.I., 273  
 Fram, Evan K., 201, 475  
 Freedy, Marvin R., 431  
 Fujii, M., 469  
 Fujimoto, T., 469  
 Fullerton, Gary D., 353  
 Furuse, Masahiro, 415
- Gabriele, O.F., 405  
 Gangarosa, Raymond E., 287  
 Genberg, Richard W., 287  
 Gilani, S., 149  
 Glover, Gary H., 201  
 González-Méndez, R., 51  
 Gore, John C., 1, 71  
 Grant, R., 465  
 Greco, Alina, 15  
 Greeson, T., 71  
 Grodd, W., 109
- Haase, A., 325  
 Hadley, D.M., 465  
 Hamilton, R.J., 71  
 Hānicke, W., 325  
 Harada, K., 469  
 Harpen, Michael D., 245  
 Hart, H.R., Jr., 345  
 Hedlund, Laurence W., 475  
 Heiner, A.P., 381  
 Henderson, J.G., 273  
 Hendrick, R. Edward, 31, 117  
 Henkelman, R. Mark, 93, 101  
 Henkelman, R.M., 149  
 Henriksen, O., 23  
 Henriksen, Ole, 251  
 Herfkens, Robert J., 201, 475  
 Herman, Leigh J., 431  
 Higgins, Charles B., 57  
 Hong, D.H., 239  
 Hornak, Joseph P., 233  
 Howell, R.R., 317  
 Hunter, Keithley E., 353
- Igata, A., 469  
 Inao, Suguru, 415  
 Iversen, P., 23  
 Iwatsuki, Shunzaburo M., 407  
 Izawa, Akira, 415
- James, A. Everette, Jr., 71  
 James, T.L., 51  
 Javors, Bruce, 371  
 Johnson, G. Allan, 201, 209  
 Johnson, Raleigh F., Jr., 293  
 Jonas, A.J., 317  
 Joseph, Peter M., 279
- Kamman, R.L., 381  
 Kanal, Emanuel, 407  
 Kaneoke, Yoshiki, 415  
 Karis, John P., 201  
 Karle, Hans, 251  
 Kaufman, Dean M., 421  
 Kaufmann, Leon, 57  
 Kavaliers, Martin, 9  
 Kertesz, Andrew, 129

## AUTHOR INDEX, VOLUME 5, 1987

- Adair, Eleanor R., 507  
 Agartz, Ingrid, 179  
 Ahmad, Masood, 293  
 Aisen, Alex M., 399  
 Albright, Michael J., 165  
 Allen, P.S., 137  
 Andelman, Samuel, 331  
 Andrews, J.L., 317  
 Asakura, T., 469  
 Auer, R., 499
- Baer, T., 1  
 Bakan, Douglas A., 221  
 Bakker, C.J.G., 381  
 Bárány, M., 393  
 Barnhart, James L., 221  
 Baum, S., 71  
 Bellon, Errol M., 175  
 Beltran, Javier, 431  
 Berendsen, H.J.C., 381  
 Berglund, Larry G., 507  
 Berk, Robert N., 221  
 Besson, J.A.O., 273  
 Blinder, Russell A., 475  
 Bone, I., 465  
 Boyce, S., 1  
 Brasch, R.C., 109  
 Braunschweiger, Paul G., 483  
 Breger, Robert K., 209  
 Bronskill, M.J., 149  
 Bronskill, Michael J., 93, 101  
 Brown, Mark A., 443  
 Bryant, Robert G., 233  
 Buckwalter, Kenneth A., 399  
 Buda, Andrew J., 399  
 Burk, Jane M., 431  
 Button, T.M., 149  
 Byck, Robert, 312
- Cameron, Ivan L., 353  
 Carden, Joseph A., 443  
 Chesick, J.P., 301  
 Chew, W.M., 51  
 Cho, Z.H., 239  
 Christoffersen, Per, 251  
 Clark, Robert, 493
- Clark, Robert N., 431  
 Cline, H.E., 345  
 Cochran, Courtney, 493  
 Coleman, Paul E., 175  
 Coleman, R. Edward, 443  
 Condon, B., 465  
 Cory, David A., 65  
 Courtieu, J., 339  
 Crues, John V., 505
- Davis, Peter L., 407  
 de Certaines, J., 267  
 Deimling, M., 325  
 Duffrin, H., 499  
 Dumoulin, C.L., 345
- Engelstad, B., 109  
 Evans, Avery J., 475
- Farnum, Gregory N., 407  
 Fawcett, H. Daniel, 293  
 Fiel, R.J., 149  
 Finnie, Mitchell F., 353  
 Fishman, Joel E., 279  
 Fishman-Javitt, Marcia C., 83, 371  
 Floyd, Thomas F., 279  
 Foreman, E.I., 273  
 Fram, Evan K., 201, 475  
 Freedy, Marvin R., 431  
 Fujii, M., 469  
 Fujimoto, T., 469  
 Fullerton, Gary D., 353  
 Furuse, Masahiro, 415
- Gabriele, O.F., 405  
 Gangarosa, Raymond E., 287  
 Genberg, Richard W., 287  
 Gilani, S., 149  
 Glover, Gary H., 201  
 González-Méndez, R., 51  
 Gore, John C., 1, 71  
 Grant, R., 465  
 Greco, Alina, 15  
 Greeson, T., 71  
 Grodd, W., 109
- Haase, A., 325  
 Hadley, D.M., 465  
 Hamilton, R.J., 71  
 Hānicke, W., 325  
 Harada, K., 469  
 Harpen, Michael D., 245  
 Hart, H.R., Jr., 345  
 Hedlund, Laurence W., 475  
 Heiner, A.P., 381  
 Henderson, J.G., 273  
 Hendrick, R. Edward, 31, 117  
 Henkelman, R. Mark, 93, 101  
 Henkelman, R.M., 149  
 Henriksen, O., 23  
 Henriksen, Ole, 251  
 Herfkens, Robert J., 201, 475  
 Herman, Leigh J., 431  
 Higgins, Charles B., 57  
 Hong, D.H., 239  
 Hornak, Joseph P., 233  
 Howell, R.R., 317  
 Hunter, Keithley E., 353
- Igata, A., 469  
 Inao, Suguru, 415  
 Iversen, P., 23  
 Iwatsuki, Shunzaburo M., 407  
 Izawa, Akira, 415
- James, A. Everette, Jr., 71  
 James, T.L., 51  
 Javors, Bruce, 371  
 Johnson, G. Allan, 201, 209  
 Johnson, Raleigh F., Jr., 293  
 Jonas, A.J., 317  
 Joseph, Peter M., 279
- Kamman, R.L., 381  
 Kanal, Emanuel, 407  
 Kaneoke, Yoshiki, 415  
 Karis, John P., 201  
 Karle, Hans, 251  
 Kaufman, Dean M., 421  
 Kaufmann, Leon, 57  
 Kavaliers, Martin, 9  
 Kertesz, Andrew, 129

- Kjaer, L., 23  
 Kneeland, J. Bruce, 117  
 Kuhnert, Norbert, 221  
 Kulkarni, M.V., 317  
 Kulkarni, Madan V., 39  
 Kwan, Eddie, 421  
 Kwee, Ingrid L., 259  
  
 Langer, B.G., 393  
 Lawrence, A., 465  
 Le Rumeur, E., 267  
 Lee, S.W., 239  
 Leon, John A., 405  
 Leon, John, 307  
 Leroy-Willig, A., 339  
 Litt, L., 51  
 Lorensen, W.E., 345  
 Louvel, A., 339  
 Lovecchio, John L., 83, 371  
 Ludke, S., 345  
 Lunt, J.A., 137  
 Luton, J.P., 339  
  
 MacFall, James R., 209  
 Man, S.F.P., 137  
 Marano, Gary, 307  
 Maring, Ellen, 483  
 Mark, Alexander S., 57  
 Mark, E.H., 149  
 Matthaei, D., 325  
 Mazer, Murray M., 39  
 McArdle, C.B., 317  
 McCarthy, Shirley, 171  
 McKinley, Matthew, 371  
 McKinney, Ray, Jr., 443  
 McNamara, J., 499  
 Mee, G.L., 301  
 Mehta, Snehal D., 39  
 Merboldt, K.D., 325  
 Mills, P.A., 51  
 Minnis, Janet E., 287  
 Mizuno, Motomu, 415  
 Mock, Bruce H., 65  
 Mok, E., 393  
 Moolsintong, P., 499  
 Moseley, M.E., 51  
 Motegi, Yoshimasa, 415  
 Mukherji, Biswanath, 279  
 Murray, William, 493  
 Muser, D.A., 149  
  
 Naidich, James B., 371  
 Nakada, Tsutomu, 259  
  
 Nakano, T., 469  
 Nantau, Kimberly, 129  
 Narayana, P.A., 317  
 Nelson, T.R., 189  
 Nelson, Thomas R., 483  
 Niesenbaum, N., 339  
 Nobbe, Janine, 287  
 Nye, P.W., 1  
  
 Okada, A., 469  
 Ord, Virginia A., 353  
 Osborne, Mark A., 421  
 Ossenkopp, Klaus-Peter, 9  
  
 Paajanen, H., 109  
 Partain, C. Leon, 39  
 Partain, C.L., 71  
 Patterson, J., 465  
 Pelc, Norbert J., 201  
 Peltzer, Mark, 57  
 Perkins, Thomas G., 157  
 Perkins, Tom G., 201  
 Phillips, D.M., 137  
 Praschan, Duane, 287  
 Prato, Frank S., 9, 129  
 Price, Ronald R., 39  
 Prochaska, James, 493  
  
 Quinn, Stephen F., 493  
  
 Ra, J.W., 239  
 Reeder, John D., 331  
 Reh, T., 499  
 Reichardt, Ulrich, 165  
 Revel, D., 109  
 Reynolds, Kenneth, 483  
 Roberts, Felice, 157  
 Rochcongar, P., 267  
 Roucayrol, J.C., 339  
 Runge, Val M., 421, 455  
  
 Sääf, Jan, 179  
 Sacco, Damon C., 175  
 Saso, Katsuyoshi, 415  
 Sauer, Rolf, 165  
 Schreiber, Melvyn H., 293  
 Schwartzentruber, Douglas J., 65  
 Sessler, D., 51  
 Sestini, Edmund, 9  
 Sherlock, Frank G., 505  
 Shimikawa, Ann, 157, 201  
 Silbiger, M., 71  
  
 Silver, Michael, 455  
 Silver, Michael S., 165  
 Simon, Sheldon, 431  
 Sloviter, Henry A., 279  
 Smith, F.W., 273  
 Smith, Francis, W., 77, 311, 312  
 Sørensen, Peter Grundtvig, 251  
 Spicer, Leonard D., 443  
 Spigos, D.G., 393  
 Srivisal, S., 499  
 Stark, David D., 117  
 Steiger, David A., 175  
 Stein, Harry L., 83, 371  
 Steiner, Robert E., 15  
 Stomp, G.P., 381  
 Sweetland, Jack, 129  
 Szumowski, Jerzy, 233  
  
 Teasdale, G.M., 465  
 Teskey, G. Campbell, 9  
 Thomsen, C., 23  
 Thomsen, Carsten, 251  
 Toulouse, P., 267  
 Tsuji, T., 469  
 Tung, S.M., 189  
  
 Uchida, T., 469  
 Utz, Joseph A., 475  
  
 van Dijk, P., 381  
 van Heteren, J.G., 149  
 van Heteren, John G., 93, 101  
 Van Thiel, David H., 407  
 Venkatasubramanian, P.N., 393  
  
 Wahlund, Lars-Olof, 179  
 Weber, Horst, 165  
 Wehrli, Felix W., 157, 209  
 Wetterberg, Lennart, 179  
 Wilbur, A.C., 393  
 Willcott, M.R., III, 301  
 Williams, J.C., 317  
 Winkler, Mark L., 57  
 Wolf, Walter, 165  
 Wolfe, Oscar W., 39  
 Wolpert, Samuel M., 421  
 Wood, Michael L., 421, 455  
  
 Yeakley, J.W., 317  
 Yokoyama, Y., 469  
 Yoshida, Kazuo, 415  
  
 Zotz, Rainer J., 399  
 Zuelzer, Wilhelm A., 431  
 Zukowski, E., 499

## KEYWORD INDEX, VOLUME 5, 1987

- Abscess, 109
- Acoustic theory, 1
- Acute leukaemia, 251
- Adrenal, 339
- Age/sex relationship, 465
- Aldose reductase sorbitol, 259
- Analgesia attenuation, 9
- Anesthesia, 51
- Anterior spina bifida, 499
- Arm, 233
- Avascular necrosis, 431
  
- Biomagnetic effects, 9
- Blood oxygenation, 279
- Bone marrow, 431
- Bones, 431
- Bound water fraction, 415
- Brain, 345, 421
- Breast, 233
- Butterfly vertebral body, 499
  
- Carcinoma, 83
- Cardiovascular MR imaging, 279
- Cerebral glucose metabolism, 259
- Cervical, 83
- Chemical shift imaging, 301
- Chest, 57
- Comparative studies, 431
- Computed tomography, 407
- Contrast, 117
- Contrast media, 65
- Cranial CSF, 465
- Cysts, 407
  
- Data analysis, 381
- Dexamethasone, 483
- Disseminated osseous tuberculosis, 493
  
- Electric fields, 101
- Electric losses, 93
- Endometrial, 83
- Experimental, 65
  
- 2-fluoro-2-deoxy-D-glucose, 259
- FLASH, 117, 325
- Fast MRI, 455
- Fast imaging, 325
  
- Feet, 233
- Flow, 325
- Flow measurement, 475
- Fluorine, 51
- Fluorine NMR, 279
- Fluorocarbons, 279
  
- Ganglion cyst, 307
- Gated magnetic resonance imaging, 57
- Globular proteins, 353
- Gradient echo, 475
- Gradient reversal, 117
  
- Haloperidol, 469
- Halothane, 51
- Hand, 233
- Hemorrhage, 407
- Human brain, 393
- Human cognition, 129
- Human liver, 393
  
- Image display NM, 39
- Imaging, 51
- Imaging in left ventricular short axis, 293
- In vivo tissue characterization of bone marrow, 251
  
- Left ventricular aneurysm, 293
- Leg, 233
- Lipids, 339
- Lithium carbonate, 273
- Liver, 65, 407
- Loop-gap resonator, 233
  
- MR, 39
- MR contrast media, 421
- MR imaging, 83, 381
- MR studies, 65, 421
- MR technology, 421
- MRI, 51, 71, 233, 307, 371, 405, 469, 493, 499, 565
- MRI Centers, 71
- MRI artifacts, 443
- MRI hazards, 287
- MRI operational safety, 287
- MRI risks, 443
- MRI safety, 9, 287
- MRI techniques, 455
- MRS, 51
  
- Magnetic Resonance Imaging, 431
- Magnetic field plotting, 301
- Magnetic fields, 101
- Magnetic losses, 93
- Magnetic resonance (MR), 39, 65, 109, 325, 345
- Magnetic resonance imaging, 23, 129, 251, 293, 331, 407, 443, 475
- Magnetic resonance safety, 287
- Manic depressive, 273
- Medical ethics, 71
- Medico-legal, 71
- Middle ear prosthesis, 405
- Molecular dynamics, 353
- Multi-exponential relaxation, 381
  
- NMR, 339
- NMR imaging, 1
- Noise, 117
- Nuclear magnetic resonance, 189, 259
- Nuclear magnetic resonance imaging, 201
  
- Occlusion devices, 443
  
- Paramagnetic contrast media, 109
- Pelvic, 371
- Pentose monophosphate shunt, 259
- Perirectal, 371
- Peroneal nerve, 307
- Polymerization, 353
- Prostatic disease, 23
- Proton NMR, 353
- Proton relaxation, 483
- Proton spectroscopy, 393
- Pulsatile flow, 475
  
- Rabbits, 51
- Relaxation processes, 23
- Relaxation time, 51, 189
- rf coils, 93, 101
- Rotator cuff tear, 331
  
- Schizophrenia, 469
- Shoulder, 331

Shoulder impingement syndrome, 331  
Signal, 117  
Signal-to-noise ratio, 101  
Single turn solenoids, 233  
Small angle excitation, 201  
Speech, 1  
Spin lattice relaxation time, 273, 353  
Spoiler gradients, 455  
Stapes, 405  
State anxiety, 129  
Statistical acceptance criteria, 381

Surface coils, 233  
Surgical clips, 443  
T1 measurement, 279  
T1 of bound water, 415  
T1, 201, 353, 469  
T1- and T2-relaxation processes, 251  
Technology, 39  
Temperature dependence, 189  
Thermal analysis, 415  
Three-dimensional reconstruction, 345  
Tissue characterization, 23

Tissue T1, 415  
Trigger, 325  
Tumor, 339  
Tumors, 483  
Vascular flow, 475  
Vascular function, 483  
Viscosity, 189  
Vocal tract dimensions, 1  
Water solutions, 353  
Zeugmatography, 259